ACS PRE-DEPARTURE MODING CONFIGURATION

> NOTE
> This procedure and the configuration of the Pending Back Off timer should be conducted a minimum of one hour before undocking. Program back off time default setting is 10 seconds.

1. VERIFY ACS MODING ROLE CONFIGURATION

PCS   MCS: ACS Moding

   | ACS Moding |
   'ACS Configuration'

   √Moding Role Primary, Secondary NCS - Full

   ```
   ************************************************************************
   *  If Primary/Secondary NCS Moding Role is not set to Full,  *
   *    then the following commands should be sent              *
   *                                                            *
   *      cmd N1-1 - Arm                                        *
   *      cmd N1-2 - Arm                                        *
   *     √Arm Status Primary, Secondary NCS - Arm               *
   *                                                            *
   *      cmd N1-1 - Full                                       *
   *      cmd N1-2 - Full                                       *
   *     √Moding Role Primary, Secondary NCS - Full             *
   *     √Arm Status Primary, Secondary NCS - Disarm            *
   ************************************************************************
   ```

2. VERIFY RUSSIAN SEGMENT MODE STATUS
   'ACS Configuration'

   √RS Mode Primary, Secondary NCS - Drift

3. VERIFY INITIAL ACS HW SIGNAL CONFIGURATION
   sel ACS Moding HW Signals

   | ACS Moding HW Signals |
   'Departure'

   √PMA2 Interface Sealed N1-1, N1-2 NCS - X
   √PMA2 Undocking Complete N1-1, N1-2 NCS - Blank

4. VERIFY NCS SOFTWARE DEPARTURE EVENT STATUS AND
    CONFIGURATION
   sel ACS Moding

   | ACS Moding |
   'Departure'

√PMA 2 Interface Sealed Primary, Secondary NCS - X
√PMA 2 Undocking Complete Primary, Secondary NCS - Blank
√Departure Event Primary, Secondary NCS - Blank

5. SET PENDING BACK OFF TIMER FOR ORBITER DEPARTURE

    |ACS Moding|
    'Departure'

    sel Pending Back Off Time

    'Primary NCS'

    cmd 10 Seconds
    √Pending Back Off Time - 10
    √Arm Status - Arm

    'Secondary NCS'

    cmd 10 Seconds
    √Pending Back Off Time - 10
    √Arm Status - Arm

    * *** *
    * If the Pending Back Off Time needs to be canceled or configured *
    *   later, disarm the current Pending Back Off Time as follows   *
    *   *
    *   sel Pending Back Off Time   *
    *   *
    *   'Primary, Secondary NCS'   *
    *   *
    *   **cmd** Incorporate Disarm   *
    *   √Arm Status - Disarm   *
    * *** *

6. INCORPORATE PENDING BACK OFF TIME
    'Departure'

    sel Pending Back Off Time

    'Primary NCS'

    cmd Incorporate Pending Back Off Time
    √Back Off Time - 10
    √Arm Status - Disarm

    'Secondary NCS'

    cmd Incorporate Pending Back Off Time
    √Back Off Time - 10
    √Arm Status - Disarm